

Short Study Visit Programme

Eszterházy Károly College

Eger, Hungary



VISUALITY &
MATHEMATICS
EXPERIENTIAL EDUCATION
OF MATHEMATICS THROUGH
VISUAL ARTS, SCIENCES
AND PLAYFUL ACTIVITIES



Date: 17th March-16th April 2014

We invite you to a beautiful town in the North of Hungary for a fruitful and joyful month. You can find information about our College on <http://www.ektf.hu/ujweb/index.php> and about the town on <http://www.eger.hu/> .

The **acomodation** we can offer is in Hotel Estella (www.hotelestella.hu), with a special price for students: 4450 Ft/pers/day with breakfast (in double rooms) or 3700 Ft/pers/day without breakfast (in double rooms). The total amount for 1 month will be cc. 445 € with breakfast, and 370 € without breakfast.

You can **travel to Eger** by train or by bus from Budapest, or by bus from Szeged (a city close to the Serbian border). You can find travel information on <http://www.menetrendek.hu/>, where „VOLÁN menetrend” is for buses, and „MÁV menetrend” is for trains – English version is available.

The **aim of the course** is to study problemsolving strategies, strategies to develop mathematical abilities, didactical approaches. After some theoretical background we'll do many workshops in various topics of visuality in mathematics, we'll visit and discuss some example lessons. After the course the participants will be able to find the common points in mathematics and visual arts through experiences; plan or choose a model/kit for teaching. The participant has to develop a model/kit for visualizing a special area in mathematics teaching and try it out (if possible) in maths teaching practise. Every participant has to write a short report about the course, for which template is given. We hope, you'll find our programme interesting and join us.

Workshops and lectures:

Date	Programme
17th March	Introduction – the aims and methods of the course (2 hours)
18th March	Problemsolving strategies in mathematics – lecture and workshop (2 hours)
19th March	Computer graphics (2 hours)
24th March	Geogebra workshop (2 hours)
25th March	Zometool workshop (2 hours)
26th March	Tessellations and tiling – lecture (2 hours)
31st March	Geogebra workshop(2 hours)
01st April	Zometool workshop (2 hours)
02nd April	Tessellation and tiling workshop (2 hours)
07th April	Geogebra workshop(2 hours)
08th April	Music and Mathematics – lecture (2 hours)
09th April	Organizing exhibition from tessellations (2 hours)
14th April	Closing and evaluation

We try to make your stay as joyful as possible with the help of our own students in various activities. So for this we offer **other programmes**:

- visiting lessons in the practical school of the college;
- visiting the Kepes Institute – exhibition and workshop;
- visiting the Lyceum and the Magic Tower;
- movies about Mathematics and Arts;
- excursion to Budapest;
- excursion round Eger.